

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-292346

(43)Date of publication of application : 03.12.1990

(51)Int.Cl.

C08L 23/02

C08K 5/13

C08K 5/17

H01B 3/44

(21)Application number : 01-109870

(71)Applicant : MITSUBISHI CABLE IND LTD

(22)Date of filing : 29.04.1989

(72)Inventor : FUJITA TOSHINORI
HIRATA TAKAHIKO
ZUSHI TOSHIHIRO

(54) RADIATION-RESISTANT COMPOSITION FOR USE IN HIGH RADIATION FIELD OF AT LEAST 500 RAD

(57)Abstract:

PURPOSE: To obtain a polyolefin resin composition which can withstand a high radiation field of 400 Mrad or above by mixing a specified polyolefin resin with a specified antioxidant.

CONSTITUTION: A radiation-resistant composition prepared by adding at least 3 pts.wt. antioxidant (A) to 100 pts.wt. polyolefin resin (B). The antioxidant (A) is at least one compound selected from among 4,4'-butylidenebis-(6-t-butyl-3-methylphenol), 1,1,3-tris(2-methyl-4-hydroxy-5-t-butylphenol)butane, 4,4'-bis(α,α -dimethylbenzyl)diphenylamine, mono(α -methylbenzyl)phenol, di(α -methylbenzyl)-phenol and tri(α -methylbenzyl)phenol. The resin (B) is at least one resin selected from among an ethylene/ethyl acrylate copolymer, an ethylene/methyl acrylate copolymer, an ethylene/vinyl acetate copolymer or an ultralow-density polyethylene.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office